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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/580,892	05/26/2006	Chan Goo Park	PARK, C - 2 PCT	2072
25889 WILLIAM CO	7590 11/30/2007	EXAMINER		
COLLARD & ROE, P.C.			KARACSONY, ROBERT	
1077 NORTHERN BOULEVARD ROSLYN, NY 11576			ART UNIT	PAPER NUMBER
110000111,111			2821	
			MAIL DATE	DELIVERY MODE
			11/30/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Total 1				
	Application No.	Applicant(s)				
	10/580,892	PARK, CHAN GOO				
Office Action Summary	Examiner	Art Unit				
	Robert Karacsony	2821				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDO	ON. It timely filed om the mailing date of this communication. NED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 26 M	ay 2006.					
2a) This action is FINAL . 2b) This	This action is FINAL. 2b) This action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11,	453 O.G. 213.				
Disposition of Claims						
4) ⊠ Claim(s) <u>1-10</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) ⊠ Claim(s) <u>1-10</u> are subject to restriction and/or expressions.	vn from consideration.					
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomplicated any accomplicated any objection to the Replacement drawing sheet(s) including the correct and the oath or declaration is objected to by the Examine	epted or b) objected to by th drawing(s) be held in abeyance. S ion is required if the drawing(s) is	See 37 CFR 1.85(a). objected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summa Paper No(s)/Mai 5) Notice of Informa 6) Other:	Date				

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DETAILED ACTION

Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-7, drawn to a satellite tracking antenna system mounted to a moving object to track a satellite position.

Group II, claim(s) 8-10, drawn to a satellite tracking method for use in a satellite tracking mounted to a moving object to track a satellite position.

- 2. The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: The special technical feature (independent claim 1) was known at the time of the invention, therefore, Groups I and II lack Unity.
- 3. Prior Art (Sekiguchi Yukichi JP 7-50514) teaches a satellite tracking antenna system mounted to a moving object to track a satellite position, which includes an antenna unit (6) for receiving a satellite signal; a gyro sensor unit (10 and 16) for detecting the movement of a moving object; a control board (8) for receiving intensity information of the satellite signal from the antenna unit, receiving moving information of the moving object from the gyro sensor unit, and tracking the satellite position according to the received intensity and moving information (Abstract); and an azimuth angle motor (4) and an elevation angle motor (7) for rotating the

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antenna unit to be directed to the satellite according to a control signal generated from the control board (Abstract), the system comprising: the gyro sensor unit is mounted on a plane perpendicular to a satellite-directed target point of the antenna unit (fig. 1), in the gyro sensor unit the gyro sensor R2 (10) for measuring a angular velocity variable in an elevation angle of the moving object is arranged horizontally and the gyro sensor R1' (16) for measuring an angular velocity variable in an azimuth angle of the moving object is arranged vertically, orthogonal to each other (fig. 1); and, R2 and R1' transmit the angular velocity variable in the elevation angle and in the azimuth angle to the control board (Abstract).

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert Karacsony whose telephone number is 571-270-1268. The examiner can normally be reached on M-F 7:30 am - 5:00 pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas W. Owens can be reached on 571-272-1662. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

RKLK

/Hoang V Nguyen/ Primary Examiner, AU 2821